when $x = 18$: $2x - 6y = 12 \Rightarrow 2(18) - 6y = 12 \Rightarrow 36 - 36 - 6y = 12 - 36 \Rightarrow -6y = -24 \Rightarrow$

$\frac{-6y}{-6} = \frac{-24}{-6} \Rightarrow y = 4.$

Thus, the missing values in the table are $-4, -2, 0, 2, 4$ See Figure 27.

28. When $x = 9$: $4x + 3y = 12 \Rightarrow 4(9) + 3y = 12 \Rightarrow 36 - 36 + 3y = 12 - 36 \Rightarrow 3y = -24 \Rightarrow$

$\frac{3y}{3} = \frac{-24}{3} \Rightarrow y = -8.$

When $x = 6$: $4x + 3y = 12 \Rightarrow 4(6) + 3y = 12 \Rightarrow 24 - 24 + 3y = 12 - 24 \Rightarrow 3y = -12 \Rightarrow$

$\frac{3y}{3} = \frac{-12}{3} \Rightarrow y = -4.$

When $x = 3$: $4x + 3y = 12 \Rightarrow 4(3) + 3y = 12 \Rightarrow 12 - 12 + 3y = 12 - 12 \Rightarrow 3y = 0 \Rightarrow$

$\frac{3y}{3} = \frac{0}{3} \Rightarrow y = 0.$

When $x = 0$: $4x + 3y = 12 \Rightarrow 4(0) + 3y = 12 \Rightarrow 3y = 12 \Rightarrow \frac{3y}{3} = \frac{12}{3} \Rightarrow y = 4.$

When $x = -3$: $4x + 3y = 12 \Rightarrow 4(-3) + 3y = 12 \Rightarrow -12 + 12 + 3y = 12 + 12 \Rightarrow 3y = 24 \Rightarrow$

$\frac{3y}{3} = \frac{24}{3} \Rightarrow y = 8.$

Thus, the missing values in the table are $-8, -4, 0, 4, 8$ See Figure 28.

x	y
-6	-4
0	-2
6	0
12	2
18	4

Figure 27

x	y
9	-8
6	-4
3	0
0	4
-3	8

Figure 28

29. See Figure 29.

30. See Figure 30.

x	-3	0	3	6
y	-9	0	9	18

Figure 29

$y = 1 - 2x$

x	0	1	2	3
y	1	-1	-3	-5

Figure 30

x	8	6	4	2
y	-2	0	2	4

Figure 31

31. See Figure 31.

32. See Figure 32.

33. See Figure 33. Tables provided are horizontal due to space restrictions.

x	0	$\frac{9}{2}$	6	$\frac{15}{2}$
y	-3	0	1	2

Figure 32

x	-8	-4	0	4
y	-2	0	2	4

Figure 33

x	0	2	4	6
y	-1	$-\frac{1}{3}$	$\frac{1}{3}$	1

Figure 34

34. See Figure 34. Tables provided are horizontal due to space restrictions.

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35. See Figure 35. Tables provided are horizontal due to space restrictions.

x	$-\frac{1}{2}$	$-\frac{1}{4}$	0	$\frac{1}{4}$
y	−2	−1	0	1

Figure 35

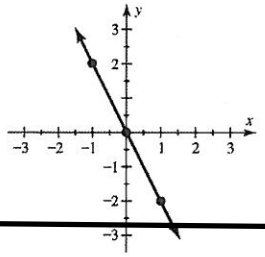
x	$\frac{5}{2}$	1	$-\frac{1}{2}$	−2
y	−1	0	1	2

Figure 36

36. See Figure 36. Tables provided are horizontal due to space restrictions.
37. They must be multiples of 5.
38. They must be multiples of b.
39.

x	−1	0	1
y	2	0	−2

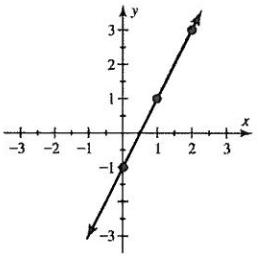
Table values may vary.



40.

x	0	1	2
y	−1	1	3

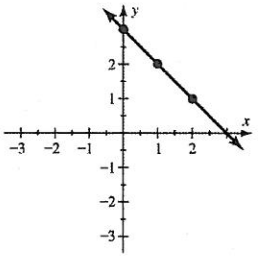
Table values may vary.



41.

x	0	1	2
y	3	2	1

Table values may vary.



42.

x	−1	1	3
y	−2	0	2

p613:5,7,9;12-36by3
12p 5g /22

10.2b p613: 40-55by5;58,60,65,70,72
9p 4g /17

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